

CLAIMS:

1. A method for transmitting and displaying arena camera views for
5 display at a remote viewer, said method comprising the steps of:

transmitting at least one arena camera view from at least one
synchronized camera located proximate to an arena;

10 processing said at least one arena camera view for display on a display
screen associated with said remote viewer; and

displaying said at least one arena camera view on said display screen,
in response to a user selection, thereby enabling a user of said remote viewer
15 to view said at least one arena camera view through said remote viewer.

2. The method of claim 1 further comprising the step of configuring said
at least one synchronized camera to include at least one primary camera and
at least one slave camera thereof, wherein a movement of said at least one
20 slave camera is dependent on a movement by said at least one primary
camera.

3. The method of claim 1 wherein said remote viewer comprises a hand
held device.
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4. The method of claim 1 wherein said remote viewer comprises a digital
entertainment monitor.

5. The method of claim 1 further comprising the step of transmitting said

at least one arena camera view from said at least one synchronized camera to said remote viewer in response to a user input.

5 6. The method of claim 5 wherein said user input comprises a user selection via said remote viewer.

7. The method of claim 1 further comprising the step of recording said at least one arena camera view, in response to a user input via said remote viewer.

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8. The method of claim 1 further comprising the step of storing said at least one arena camera view transmitted from said at least one synchronized camera within a memory location associated with said remote viewer.

15 9. The method of claim 8 wherein said memory location comprises storage media.

10. The method of claim 8 wherein said at least one arena camera view comprises an instant replay.

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11. The method of claim 1 wherein the step of processing said at least one arena camera view for display on a display screen associated with said remote viewer, further comprises the step of:

25 processing at server said at least one arena camera view for display on a display screen associated with said remote viewer utilizing a server.

12. The method of claim 1 further comprising the step of:

communicating from said server, said at least one arena camera view for display on said display screen associated with said remote viewer.

13. The method of claim 12 wherein the step of communicating from said server, said at least one arena camera view for display on said display screen associated with said remote viewer, further comprises the step of:

communicating from said server, said at least one arena camera view for display on said display screen associated with said remote viewer via a wireless RF transmission.

14. The method of claim 12 wherein the step of communicating from said server, said at least one arena camera view for display on said display screen associated with said remote viewer, further comprises the step of:

communicating from said server, said at least one arena camera view for display on said display screen via a communications network associated with said server.

15. The method of claim 14 wherein said communications network comprises a satellite communications network.

15. The method of claim 14 wherein said communications network comprises a digital cable television network.

17. The method of claim 1 further comprising the step of capturing said at least one arena camera view in response to a user input via said remote viewer.

18. The method of claim 1 wherein said arena comprises a boxing arena.
19. The method of claim 1 wherein said arena comprises a wrestling arena.
- 5 20. The method of claim 1 wherein said arena comprises a football arena.
21. The method of claim 1 wherein said arena comprises a basketball arena.
- 10 22. The method of claim 1 wherein said arena comprises a racing venue.
23. The method of claim 1 wherein said arena comprises a sports venue.
24. The method of claim 1 wherein said arena comprises a concert venue.
- 15 25. The method of claim 2 further comprising the step of associating at least one in-play camera with said at least one synchronized camera.
26. The method of claim 2 wherein said at least one primary camera
20 comprises an in-play camera.
27. The method of claim 2 further comprising the step of configuring said at least one primary camera to comprise at least one RF tag detector that is adapted to detect at least one RF tag associated with a participant within said
25 arena.
28. The method of claim 2 further comprising the step of configuring said at least one slave camera to comprise at least one RF tag detector that is adapted to detect at least one RF tag associated with a participant within said arena.

29. The method of claim 27 further comprising the step of tracking said participant utilizing said at least one RF tag associated with said participant within said arena.

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30. The method of claim 28 further comprising the step of tracking said participant utilizing said at least one RF tag associated with said participating within said arena.

10 31. The method of claim 2 further comprising the steps of:

locating an optical light source at said at least one primary camera;

15 transmitting an optical light beam from said optical light source towards a target within said arena;

associating a light detector with said at least one slave camera, wherein said light detector identifies said optical light beam transmitted from said optical light source; and

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automatically tracking said at least one target within said arena based on a detection of said target via said light detector.

25 32. The method of claim 31 wherein said optical light beam comprises a laser light beam and said optical light source comprises a laser light source.

33. A system for transmitting and displaying arena camera views for display at remote viewers, said system comprising:

at least one synchronized camera located proximate to an arena, wherein at least one arena camera view can be transmitted from said at least one synchronized camera; and

5 a processor for processing said at least one arena camera view for display on a display screen associated with said remote viewers; and

a communications network for transmitting said at least one arena camera view to a remote viewer for display of said at least one arena camera view on said display screen associated with said remote viewer.

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34. The system of claim 33 wherein said at least one synchronized camera comprises at least one primary camera and at least one slave camera thereof, such that a movement of said at least one slave camera is dependent on a movement by said at least one primary camera.

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35. The system of claim 33 wherein said processor processes said at least one arena camera view for display at said remote viewer, wherein said remote viewer comprises a hand held device.

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36. The system of claim 33 wherein said processor processes said at least one arena camera view for display at said remote viewer, wherein said remote viewer comprises a digital entertainment monitor.

25 37. The system of claim 33 further comprising a transmitter for transmitting said at least one arena camera view from said at least one synchronized camera to said remote viewer in response to a request from an authorized user.

38. The system of claim 37 wherein said user input comprises an input via said remote viewer.

39. The system of claim 33 further comprising a remote viewer in communication with said system and further comprising a recorder for recording said at least one arena camera view, in response to a user input via said remote viewer.

40. The system of claim 33 further comprising a memory location for storing said at least one arena camera view transmitted from said at least synchronized camera, wherein said memory location is accessible as data from at least one remote viewer.

41. The system of claim 40 wherein said memory location comprises storage media.

42. The system of claim 40 wherein said data from said at least one arena camera view comprises an instant replay.

43. The system of claim 33 further comprising a server comprising said processor for processing said at least one arena camera view for display on said display screen associated with said remote viewer.

44. The system of claim 33 further comprising a communications module for communicating from said server, said at least one arena camera view for display on said display screens associated with said remote viewer.

45. The system of claim 44 further comprising a wireless transmission module for communicating from said server, said at least one arena camera

view for display on said display screen associated with said remote viewer.

46. The system of claim 44 further comprising a communications network associated with said server, wherein said at least one arena camera view is
5 communicated from said server through said communications network for display on said display screen.

47. The system of claim 46 wherein said communications network comprises a satellite communications network.
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48. The system of claim 46 wherein said communications network comprises a digital cable television network.

49. The system of claim 33 wherein said at least one arena camera view is
15 capturable in response to a user input via said remote viewer.

50. The system of claim 33 wherein said arena comprises a boxing arena.

51. The system of claim 33 wherein said arena comprises a wrestling
20 arena.

52. The system of claim 33 wherein said arena comprises a football arena.

53. The system of claim 33 wherein said arena comprises a basketball
25 arena.

54. The system of claim 33 wherein said arena comprises a racing venue.

55. The system of claim 33 wherein said arena comprises a sports venue.

56. The system of claim 33 wherein said arena comprises a concert venue.
57. The system of claim 34 further comprising at least one in-play camera.
58. The system of claim 34 wherein said at least one primary camera comprises an in-play camera.
59. The system of claim 34 wherein said at least one primary camera comprises at least one RF tag detector adapted to detect at least one RF tag associated with a participant within said arena.
60. The system of claim 34 wherein said at least one slave camera comprises at least one RF tag detector adapted to detect at least one RF tag associated with a participant within said arena.
61. The system of claim 59 further comprising a tracking module for tracking said participant utilizing said at least one RF tag associated with said participant within said arena.
62. The system of claim 60 further comprising a tracking module for tracking said participant utilizing said at least one RF tag associated with said participating within said arena.
63. The system of claim 34 further comprising:
- an optical light source located at said at least one primary camera, wherein an optical light beam is transmittable from said optical light source towards a target within said arena;

a light detector associated with said at least one slave camera, wherein said light detector identifies said optical light beam transmitted from said optical light source; and

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a tracking module for automatically tracking said at least one target within said arena based on a detection of said target via said light detector.

64. The system of claim 63 wherein said optical light beam comprises a laser light beam and said optical light source comprises a laser light source.

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65. A system for transmitting and displaying arena camera views for display at a plurality of remote viewers, said system comprising:

15 at least one synchronized camera located proximate to an arena, wherein at least one arena camera view can be transmitted from said at least one synchronized camera;

a server for processing said at least one arena camera view for display at said at least remote viewer among said plurality of remote viewers; and

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a communications network associated with said server, wherein said at least one arena camera view can be communicated from said server through said communications network to said remote viewer for display on at least one display screen associated with at least one remote viewer amongst said plurality of remote viewers;

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wherein said at least one arena camera view is displayed on said at least one display screen in response to a user selection, thereby enabling a

users of said at least one remote viewer to view said at least one arena camera view through said at least one remote viewer; and

5 wherein said at least one display screen is associated with said at least one remote viewer, such that said at least one synchronized camera comprises at least one primary camera and a plurality of slave cameras thereof, such that a movement of said plurality of slave cameras is dependent on a movement by said at least one primary camera

10 66. The system of claim 65 wherein said communications network comprises a wireless communications network.

67. The system of claim 65 wherein said communications network comprises a satellite communications network.

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68. The system of claim 65 wherein said communications network comprises a digital cable television network.

69. The system of claim 65 wherein said communications network
20 comprises a wireless communications network and a digital cable television network.

70. The system of claim 65 wherein said communications network
25 comprises a wireless communications network and a digital cable television network.